

ag No. _____

SAM	CPM1
1	4148.00
2	4852.00
3	6730.00
4	2580.00
5	3952.00
6	5700.00
7	5318.00
8	3176.00
9	2294.00
10	3002.00
11	8568.00
12	5524.00
13	1742.00
14	1812.00
15	4872.00
16	6352.00
17	242.00
18	82428.00
19	81076.00
20	77332.00
21	

Load Hepain
Post Hepain
Load Q450
Load Q450
380/ul
400

5.80/ul 4.75 positive control
3.7

$\bar{x} = 80278$

SA = 50 cpm/nmol

Pooled together the two
pools from Q450 - 16.5 ml
added .5% w/v
of Triton X + NP-40

Adams premix + 1.1 ml
48 ul of g. premix
added to pre-labeled
epipenants 1, 2, 4, 6
of diluted sample
was added - incubated
for 10 minutes at
74°C - mixture was
quenched w/ 10 ul
9.5 M EDTA +
ice -

30 ul was spotted on
GF/C filters -
TCA wash + 5% HCl wash
dried & counted

all dilutions made in serial

$$\left(\frac{10}{100} \right) \left(\frac{1}{x} \right)$$

x = 200, 150, 100,

	U/ul	Total Units	Vol.	mg/ml	total mg	SA	% yield
A.S.I.	62 U/ul	1.3×10^6	21 mL	1.4	30	4.3×10^4	
load					30		
Pooled	39 U/ul	1.07×10^6	27.5				77% recover
ad	39 U/ul	9.675×10^5	25	.323	8.0	1.22×10^5	3% pur.
ol/							
alypis	38 U/ul	6.27×10^5	16.5				65% recd

very conservative ~ 20,250 U/gram cell - for 1000 mits - 500 gram crack

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Date

Invented by

Date

May Longo

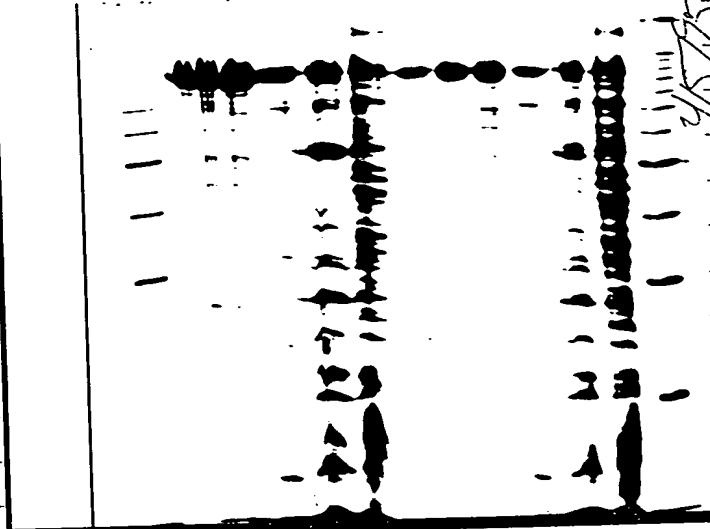
4/5/95

Recorded by

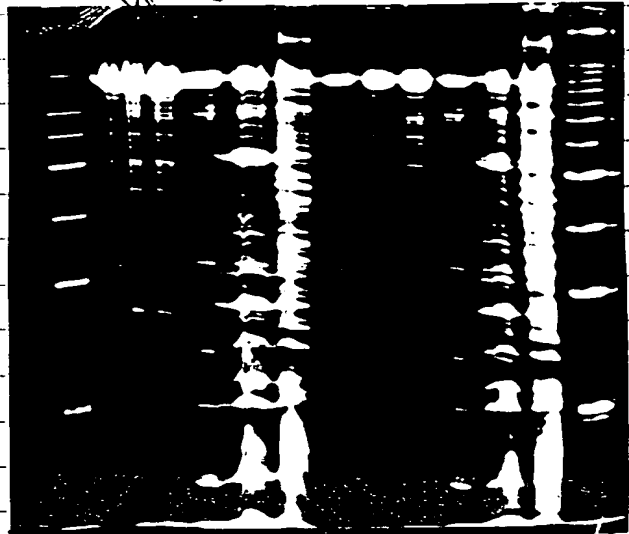
04/05

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13 12 11 10 9 8 7 6 5 4 3 2 1



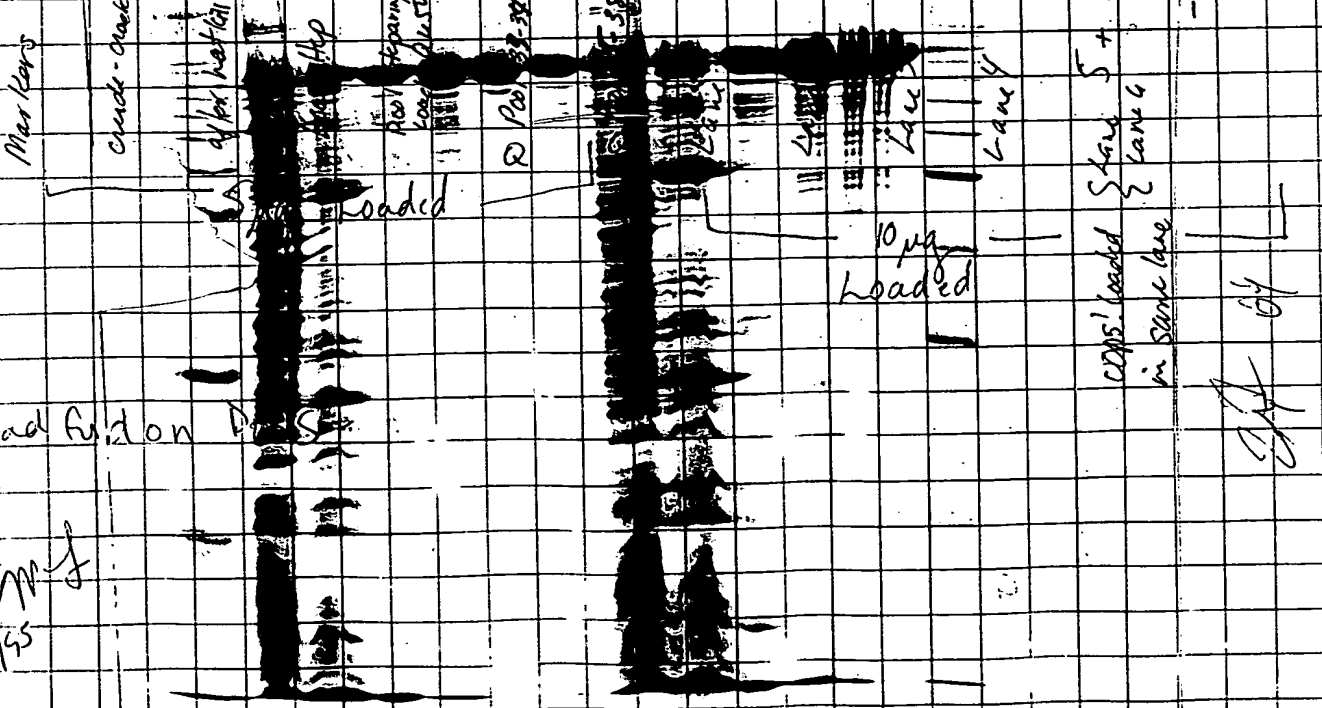
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1 2 3 4 5 6 7 8 9 10 11 12 13 14



4/5/95

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With ss d & Understo d by me,

Man Jongo

Dat

4/5/95

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E. J. Jongo

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Dat

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QC. RNase Assay -

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Tube	Rxn Mix	Enzyme Unit	ul H ₂ O
1	50 ul	2 4 ul 3.5 ul	4
2		5 1 ul	3 4
3		10 2 ul	2 3
4		15 3 ul	2
5		20 4 ul	1
6		0 -	5 ul Dil'n Buffer
7		0 -	5 ul DEPC

Dilute Enzyme - 1/5

$$\begin{aligned}
 & \frac{190 \text{ ul Tris}}{950 \text{ total volume}} = \frac{190}{(950-190)} = \frac{190}{760} \text{ ul dil'n} \\
 & \text{dilute to } 50 \text{ u/L} = \frac{1}{7.6} = \frac{10}{76} = \frac{10}{(76-10)} = \frac{10}{66} \text{ enzyme} \\
 & \text{Dilute to } 50 \text{ u/L} = \frac{1}{7.6} = \frac{10}{76} = \frac{10}{(76-10)} = \frac{10}{66} \text{ enzyme}
 \end{aligned}$$

Rxn Mix

Tag premix

PCR mix

10x from A.G.

8 ul

mRNA Glabin
processed H₂O

160 ul 95% 320 ul 8 ul

232 ul 72 ul

400 ul

Incubate at 37°C in heat block
for 1 hour -

Add 4 ug Proteinase K (12 mg/mL) + 2 ul
25 ug tRNA (5 mg/mL) + 2.5 ul

Incubate 10 min @ 37°C

Add 20 ul 2M NaAc + 200 ul 100% EtOH - vortex
Keep in freezer - 20°C. O/N

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Read & Understood by me,

Man Longo

Date

4/5/95

Invent d by

Recorded by

Elizabeth L. Longo

Date

4/5/95